

FORM PTO-1390 (Modified)  
(REV 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NUMBER

**TRANSMITTAL LETTER TO THE UNITED STATES**  
**DESIGNATED/ELECTED OFFICE (DO/EO/US)**  
**CONCERNING A FILING UNDER 35 U.S.C. 371**

517US0PCT

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

10/030681

INTERNATIONAL APPLICATION NO.  
PCT/EP00/06429INTERNATIONAL FILING DATE  
7 July 2000PRIORITY DATE CLAIMED  
14 July 1999

## TITLE OF INVENTION

**3-ARYLSULFONYL-2-(SUBSTITUTED METHYL)PROPANOIC ACID DERIVATIVES AS MATRIX**  
**METALLOPROTEINASE INHIBITORS**

APPLICANT(S) FOR DO/EO/US

MATEGANI Sergio et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☒ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

**Items 13 to 20 below concern document(s) or information included:**

13. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☒ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☐ Certificate of Mailing by Express Mail
23. ☒ Other items or information:

**Notice of Priority/Form PTO-1449**  
**PCT/IB/304/**  
**PCT/IB/308**

U.S. APPLICATION NO. (IF KNOWN) <b>37 CFR</b> <div style="font-size: 2em; font-weight: bold; margin-top: 5px;">10/030601</div>	INTERNATIONAL APPLICATION NO. <div style="font-weight: bold; margin-top: 5px;">PCT/EP00/06429</div>	ATTORNEY'S DOCKET NUMBER <div style="font-weight: bold; margin-top: 5px;">217517US0PCT</div>			
24. The following fees are submitted: <b>BASIC NATIONAL FEE ( 37 CFR 1.492 (a) (1) - (5) ) :</b> <div style="margin-top: 5px;"> <input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <span style="float: right;"><b>\$1040.00</b></span> </div> <div style="margin-top: 5px;"> <input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <span style="float: right;"><b>\$890.00</b></span> </div> <div style="margin-top: 5px;"> <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <span style="float: right;"><b>\$740.00</b></span> </div> <div style="margin-top: 5px;"> <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <span style="float: right;"><b>\$710.00</b></span> </div> <div style="margin-top: 5px;"> <input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <span style="float: right;"><b>\$100.00</b></span> </div> <div style="text-align: right; margin-top: 10px;"> <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b> </div>		<div style="border: 1px solid black; padding: 5px;"> <b>CALCULATIONS PTO USE ONLY</b> </div>			
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)). <span style="float: right;"> <input type="checkbox"/> 20    <input checked="" type="checkbox"/> 30         </span>		<div style="border: 1px solid black; padding: 5px;"> <div style="text-align: right; border-bottom: 1px solid black;"><b>\$890.00</b></div> <div style="text-align: right; border-bottom: 1px solid black;"><b>\$130.00</b></div> </div>			
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	13 - 20 =	0	x \$18.00		<b>\$0.00</b>
Independent claims	1 - 3 =	0	x \$84.00		<b>\$0.00</b>
Multiple Dependent Claims (check if applicable). <span style="float: right;"><input type="checkbox"/></span>					<b>\$0.00</b>
<b>TOTAL OF ABOVE CALCULATIONS =</b>					<b>\$1,020.00</b>
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27). The fees indicated above are reduced by 1/2.					<b>\$0.00</b>
<b>SUBTOTAL =</b>					<b>\$1,020.00</b>
Processing fee of <b>\$130.00</b> for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)). <span style="float: right;"> <input type="checkbox"/> 20    <input type="checkbox"/> 30         </span>					<b>\$0.00</b>
<b>TOTAL NATIONAL FEE =</b>					<b>\$1,020.00</b>
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <span style="float: right;"><input type="checkbox"/></span>				<b>\$0.00</b>	
<b>TOTAL FEES ENCLOSED =</b>					<b>\$1,020.00</b>
					Amount to be refunded \$
					charged \$
a. <input checked="" type="checkbox"/> A check in the amount of <u>  <b>\$1,020.00</b>  </u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>  <b>15-0030</b>  </u> A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.					
<b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.					
SEND ALL CORRESPONDENCE TO:					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;"> <div style="font-weight: bold; margin-bottom: 10px;">Surinder Sachar</div> <div style="font-weight: bold; margin-bottom: 10px;">Registration No. 34,423</div> <div style="text-align: center;"> <div style="font-size: 1.5em; font-weight: bold; margin-top: 5px;">22850</div> </div> </div> <div style="width: 50%;"> <div style="border-bottom: 1px solid black; margin-bottom: 5px;"> </div> <div style="margin-bottom: 5px;">SIGNATURE</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Norman F. Oblon</div> <div style="margin-bottom: 5px;">NAME</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">24,618</div> <div style="margin-bottom: 5px;">REGISTRATION NUMBER</div> <div style="border-bottom: 1px solid black; margin-bottom: 5px;">Jan 14 2002</div> <div style="margin-bottom: 5px;">DATE</div> </div> </div>					

Docket No. 217517US0PCT

IN RE APPLICATION OF: Sergio MANTEGANI et al.

SERIAL NO: New U.S. PCT Application (Based on PCT/EP00/06429)

FILED: HEREWITH

FOR: 3-ARYLSULFONYL-2-(SUBSTITUTED METHYL)PROPANOIC ACID DERIVATES AS MATRIX  
METALLOPROTEINASE INHIBITORSASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Transmitted herewith is an amendment in the above-identified application.

- ☒ No additional fee is required
- ☐ Small entity status of this application under 37 C.F.R. §1.9 and §1.27 is claimed.
- ☒ Additional documents filed herewith: Check for \$1,020.00/PCT/IB/304/Form PTO-1449PCT/IB/308  
International Search Report/International Preliminary Examination Report  
Information Disclosure Statement/PCT Transmittal Letter/Request for Priority

The Fee has been calculated as shown below:

CLAIMS	CLAIMS REMAINING		HIGHEST NUMBER PREVIOUSLY PAID	NO. EXTRA CLAIMS	RATE	CALCULATIONS
TOTAL	13	MINUS	20	0	× \$18 =	\$0.00
INDEPENDENT	1	MINUS	3	0	× \$84 =	\$0.00
		<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+ \$280 =	\$0.00
		TOTAL OF ABOVE CALCULATIONS				\$0.00
		<input type="checkbox"/> Reduction by 50% for filing by Small Entity				\$0.00
		<input type="checkbox"/> Recordation of Assignment			+ \$40 =	\$0.00
		TOTAL				\$0.00

- ☐ A check in the amount of \_\_\_\_\_ is attached.
- ☒ Please charge any additional Fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.
- ☒ If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time may be charged to Deposit Account No. 15-0030. A duplicate copy of this sheet is enclosed.

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.Norman F. Oblon  
Registration No. 24,618Surinder Sachar  
Registration No. 34,423

22850

Customer Number 22850  
Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 10/01)

DOCKET NO.: 217517US0PCT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Sergio MANTEGANI et al.

SERIAL NO.: NEW U.S. PCT APPLICATION

FILED: HERewith

INTERNATIONAL APPLICATION NO.: PCT/EP00/06429

INTERNATIONAL FILING DATE: July 7, 2000

FOR: 3-ARYLSULFONYL-2-(SUBSTITUTED METHYL)PROPANOIC ACID DERIVATES AS  
MATRIX METALLOPROTEINASE INHIBITORS

**REQUEST FOR PRIORITY UNDER 35 U.S.C. 119**  
**AND THE INTERNATIONAL CONVENTION**

Assistant Commissioner for Patents  
Washington, D.C. 20231

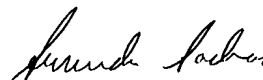
Sir:

In the matter of the above-identified application for patent, notice is hereby given that the applicant claims as priority:

<b><u>COUNTRY</u></b>	<b><u>APPLICATION NO</u></b>	<b><u>DAY/MONTH/YEAR</u></b>
Great Britain	9916562.3	14 July 1999

Certified copies of the corresponding Convention application(s) were submitted to the International Bureau in PCT Application No. PCT/EP00/06429. Receipt of the certified copy(s) by the International Bureau in a timely manner under PCT Rule 17.1(a) has been acknowledged as evidenced by the attached PCT/IB/304.

Respectfully submitted,  
OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



Norman F. Oblon  
Attorney of Record  
Registration No. 24,618  
Surinder Sachar  
Registration No. 34,423



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